This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

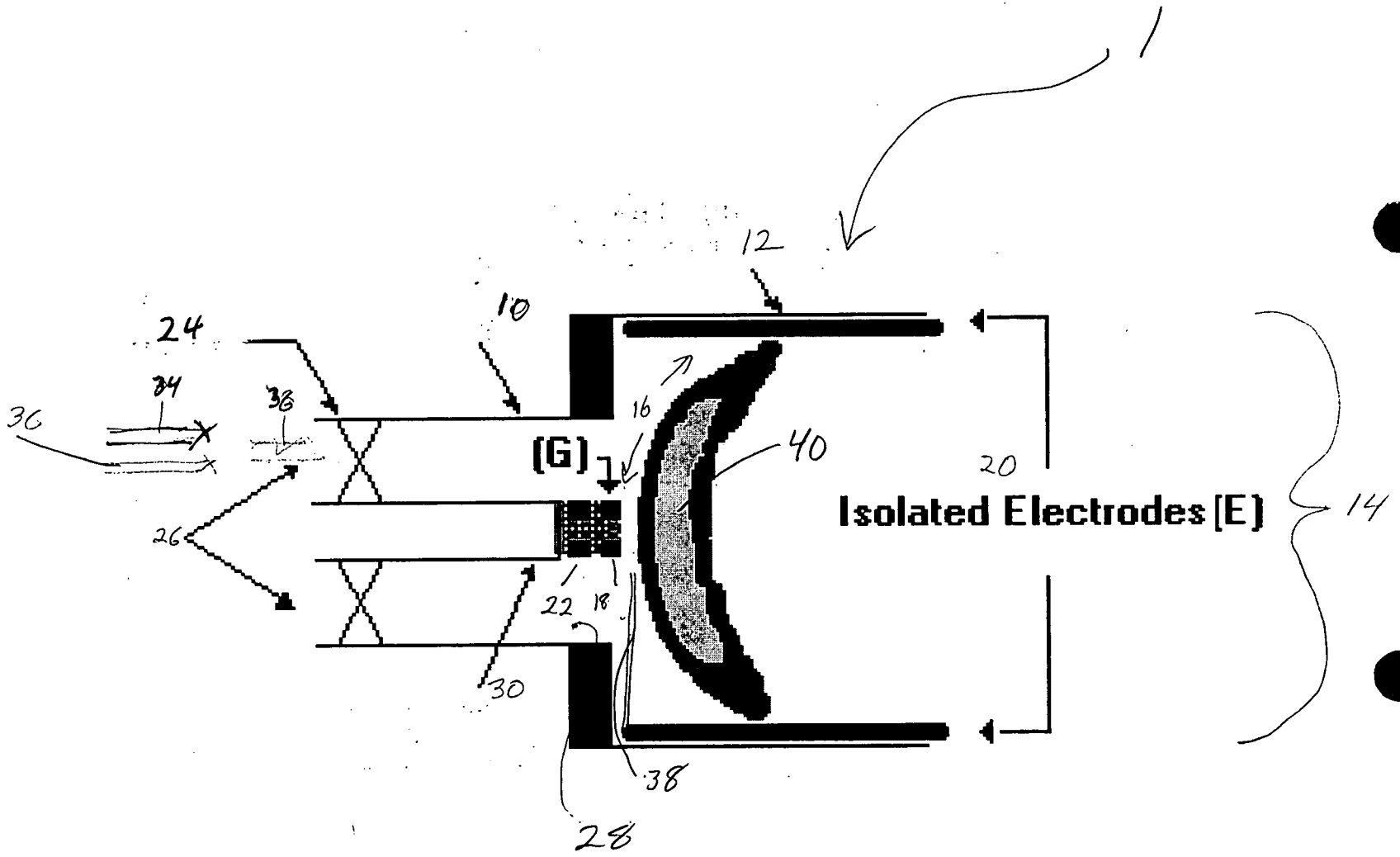
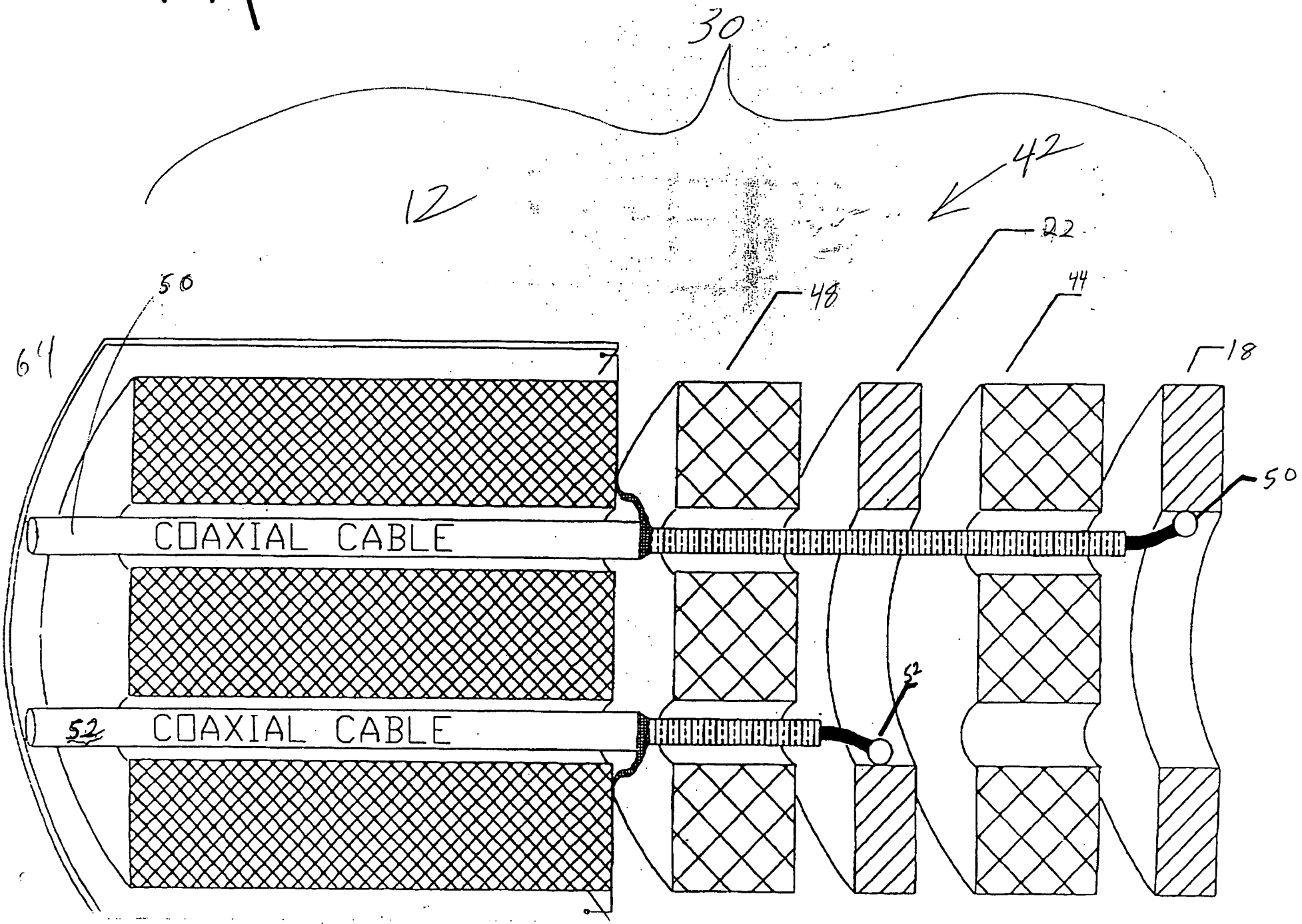

1
12
10
24
34
36
38
16
40
(G)
20
Isolated Electrodes [E]
14
26
22
18
30
38
28

Fig 1

Figure 2



T08T60" 28555660

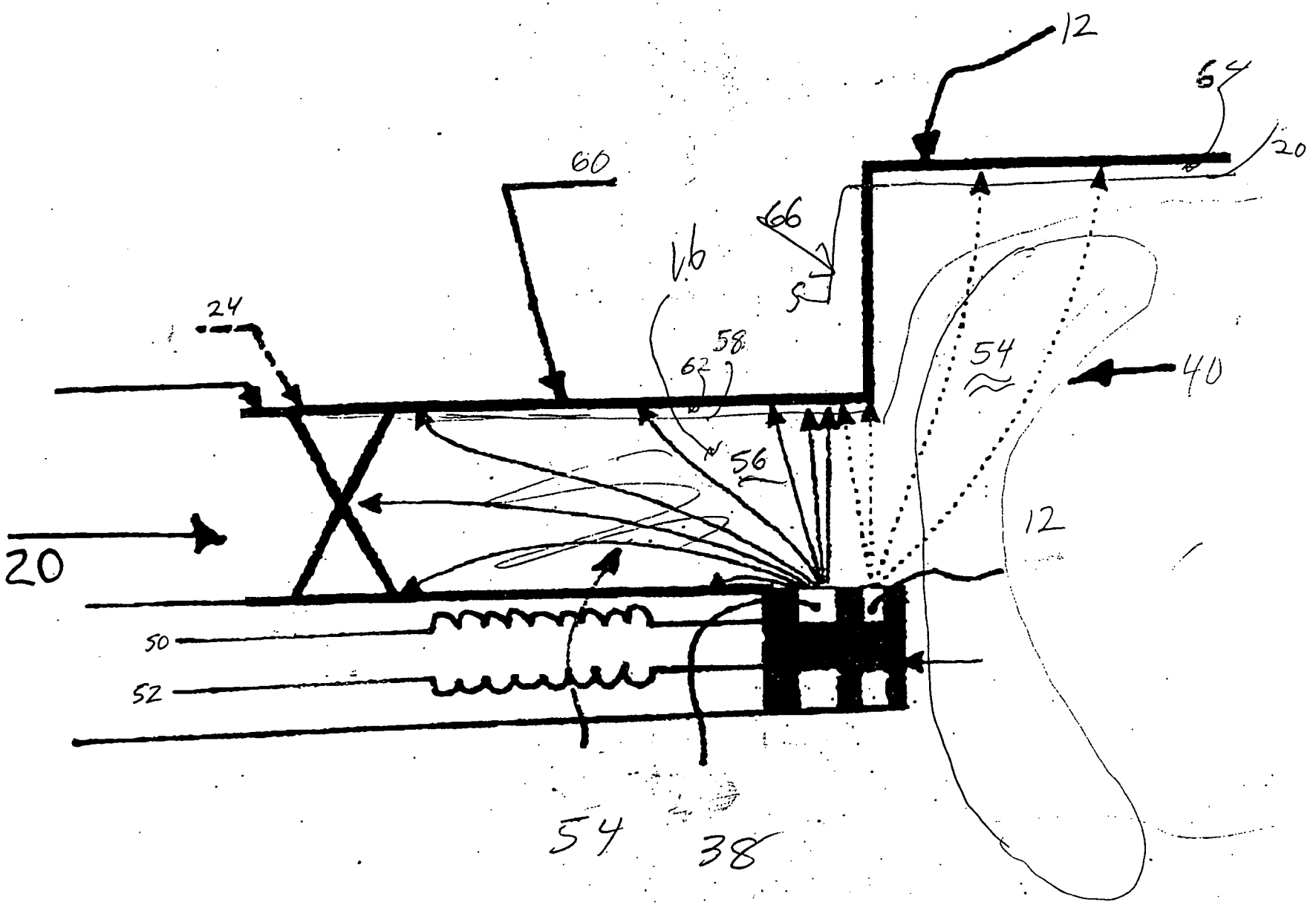


FIGURE 3

T08T60 28562760

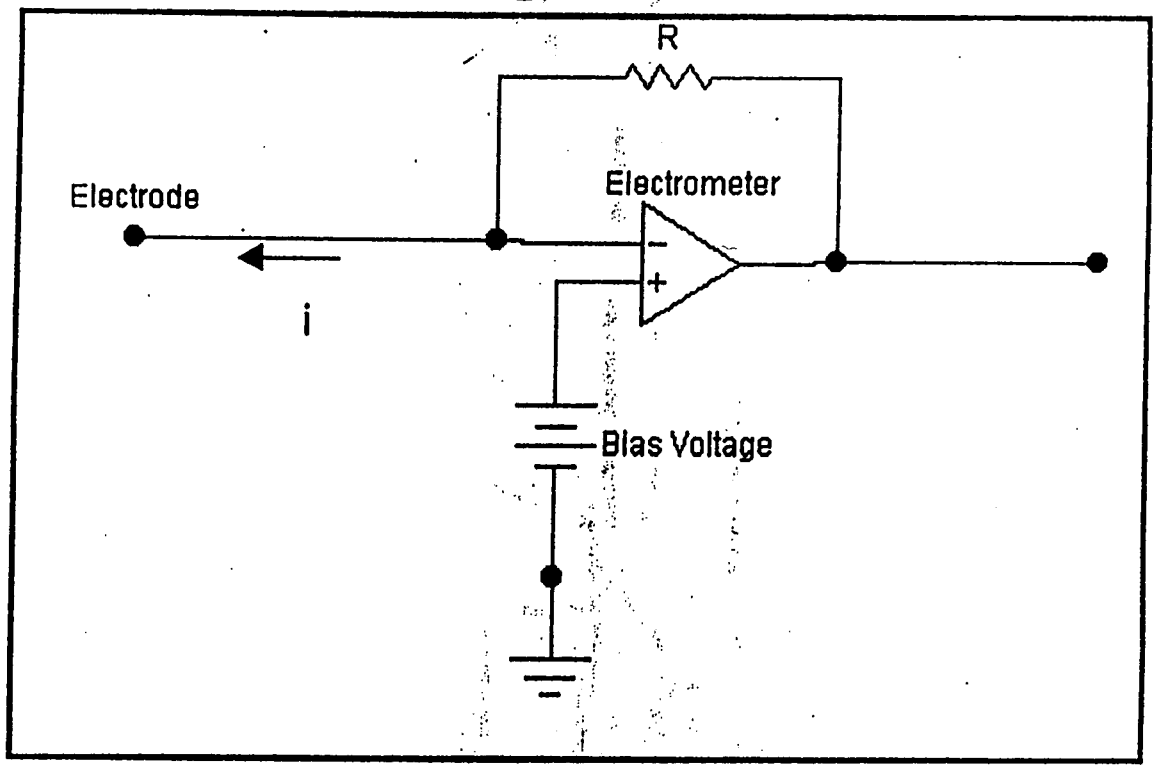
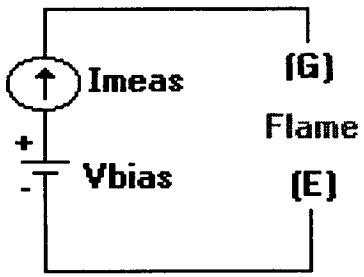


Figure 4: Typical control circuit for flashback detection sensor.

Fig. 4

T08T60" 28555660

Figure 4b. Typical current measuring device.



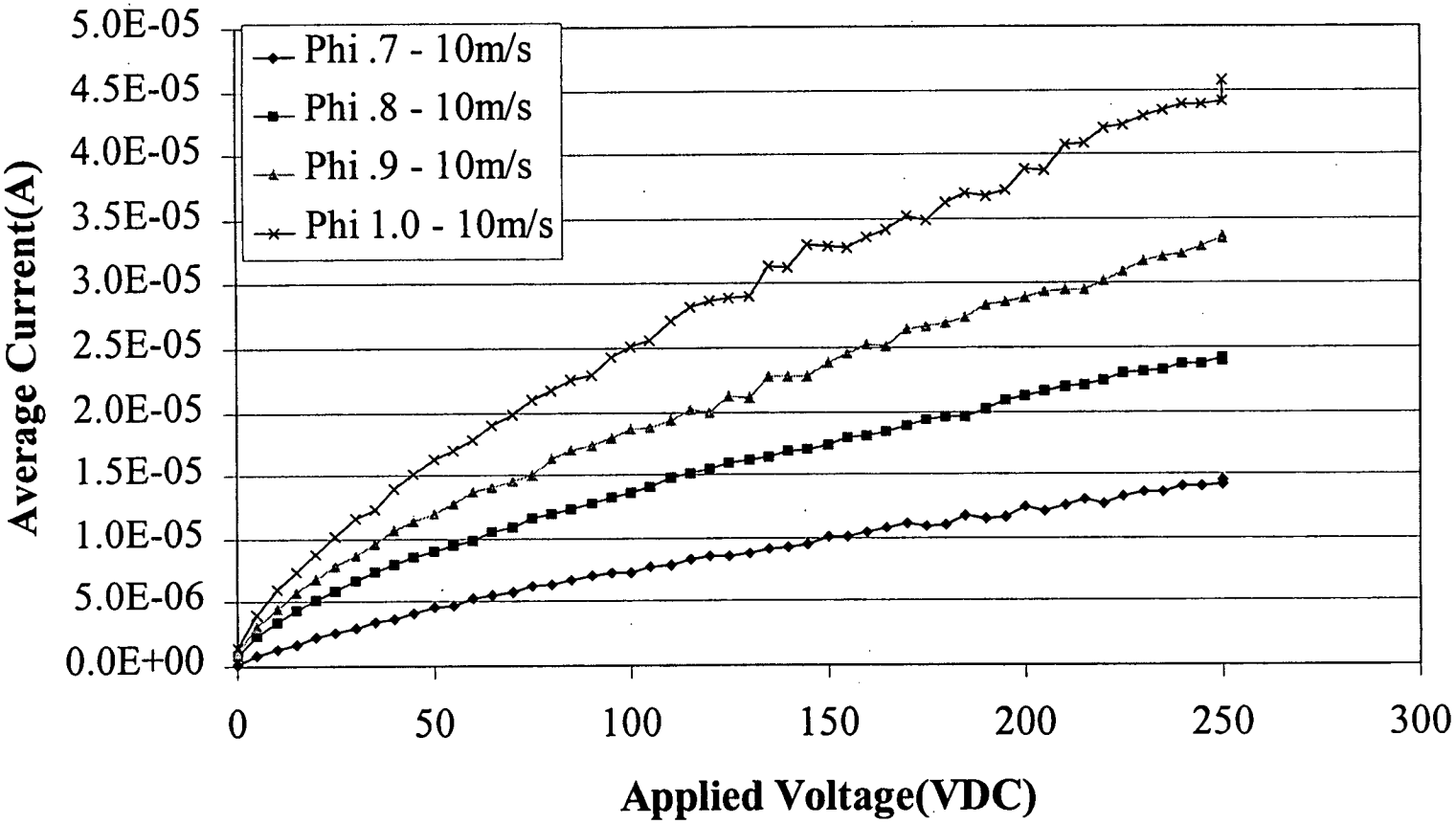


Figure 5 Shows the average current measurements over a range of applied voltage (Vbias) and equivalence ratios, at 10m/s bulk velocity using the isolated electrode combustion configuration.

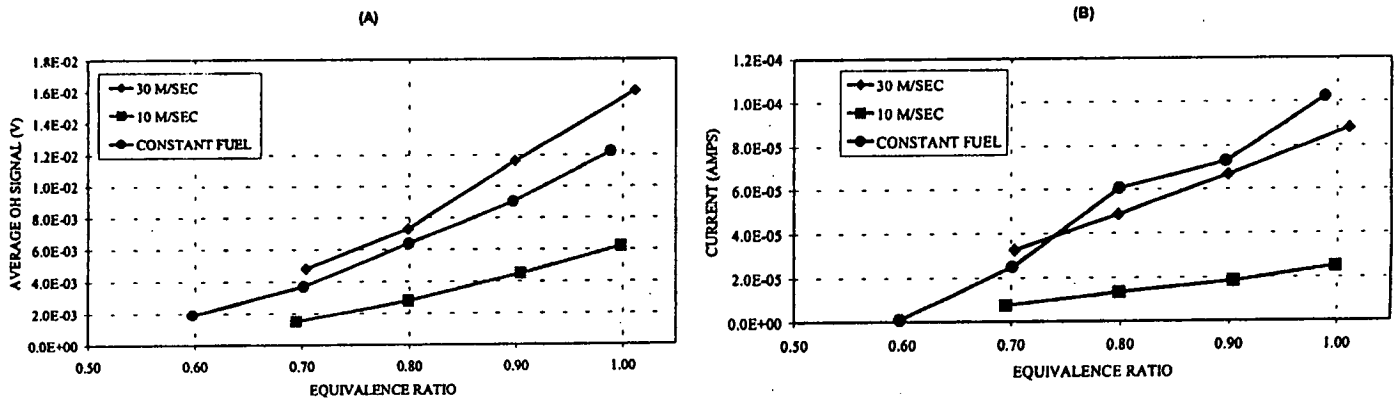


Figure 6. Data from the isolated electrode configuration: (A), and the average OH measurements at a range of equivalence ratios, (B) The average current with Vbias of 100 VDC at a range of equivalence ratios.

T08T60*28555660

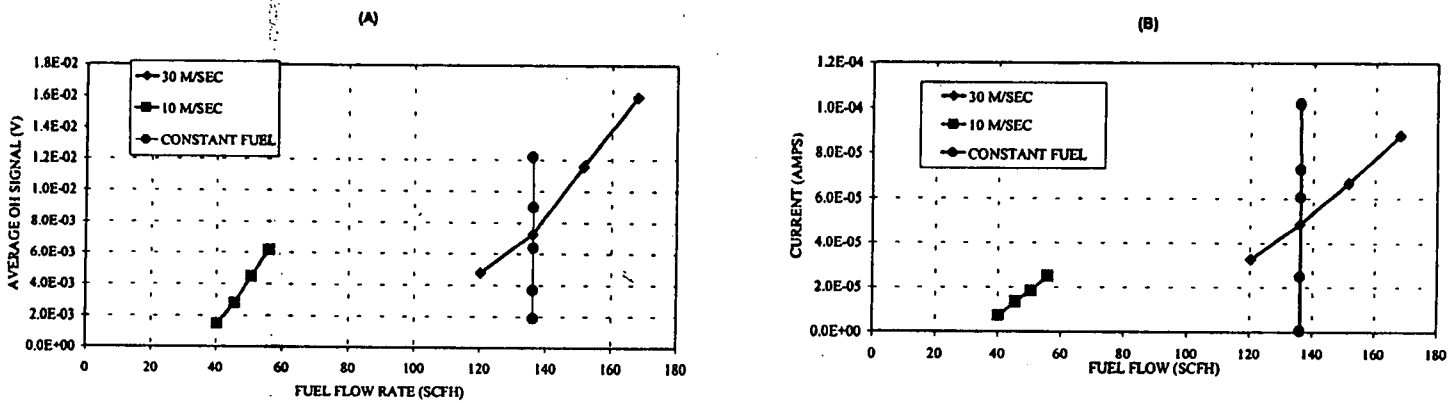


Figure 7. Data from the isolated electrode configuration: (A), and the average OH measurements at a range of fuel flow rates, (B) The average current with Vbias of 100 VDC at a range of fuel flow rates.

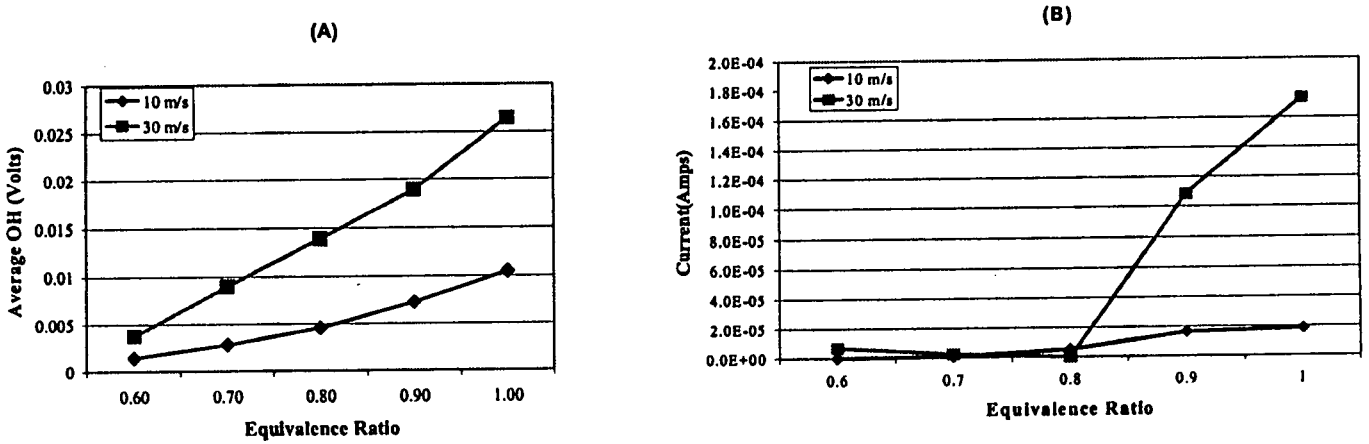


Figure 8. Data from the metal combustor configuration: (A), the average OH measurements at a range of equivalence ratios, (B) the average current measurements at a range of equivalence ratios.